

Product Code Selector Switches and Solenoids Position transmitters

Product Category	
S B	007 Switchbox
S L	007 Switchbox - Low Profile Cover
S T	007T Switch Terminal Box
C C	007C Switch/Solenoid Control Centre*
TA	K4-Z0A Position Transmitter
TX	K4-Z0X Position Transmitter (EEx ia)

* AS-interface® or DeviceNet compatible versions of the 007C are available on request.

Pneumatic Control (007C only)	
D	Double / Single Acting (no manual override)** 1/8" BSPP ports
A	Double / Single Acting with manual override* 1/8" BSPP ports
3	Single Acting (no manual override) ** 1/4" BSPP ports
4	Double Acting (no manual override) ** 1/4" BSPP ports
5	Double Acting stayput (no manual override) 1/4" BSPP ports

* Manual override is external, momentary and maintainable.
** Manual override on the internal solenoid is an option.

Solenoid Voltage (007C only)	
A	220/240v AC
B	110/120v AC
C	24v AC
D	24v DC
H	EExia IIC T6 Intrinsically Safe 24v DC Systems*

* This refers to type /02 on the certificate.
Other solenoids or a Piezotronic pilot valve are available.
For details of associated safety barriers, remote I/O systems or fieldbus valve couplers please contact K Controls.

Calibration / Fieldbus (K4-Z0 only)	
--	Local push button calibration (Rotary actuators only)
LL	Loop link calibrator
HR	HART®
FF	FOUNDATION™ fieldbus
PA	PROFIBUS® PA
WH	Wireless HART®

Feedback Type *	
M 1	V3 SPDT Mechanical Switch (EN,UL,CSA Approved)
M 2	V3 SPDT Mechanical Switch Gold Plated Contacts (EN,UL,CSA Approved)
M 3	DPDT Mechanical Switch***
M 6	Burgess E1V3C SPDT EExd Mechanical Switch (Switchbox certified EExed 11c T6)***
M 8	M 2 option fitted in EEx i certified unit
M 9	M 3 option fitted in EEx i certified unit
R 3	Magnetically Operated Reed Switch (S.P.D.T. 3 Wire 24V DC 1A)
R 5	R 3 option fitted in EEx i certified unit
R 7	Magnetically Operated Reed Switch (S.P.D.T. 3 Wire 24V DC 3A)
P 2	Proximity Switch NJ2-V3-N (Intrinsically Safe 2 Wire)**
P 4	Proximity Switch IN 5121 (10 - 36V DC N.O PNP 3 Wire with LED)***
P 5	Proximity Switch IN 0073 (20 - 250V AC/DC N.O 2 Wire with LED)***
P 6	Proximity Switch NBB2-V3-EO (10 - 30V DC N.O NPN 3 Wire with LED)
P 7	Proximity Switch NBB2-V3-E2 (10 - 30V DC N.O PNP 3 Wire with LED)
P 8	Proximity Switch IS 5026 (5 - 36V DC N.O/N.C/PNP/NPN 2 Wire with LED)
P 9	Proximity Switch NBB3-V3-Z4 (5 - 60V DC N.O 2 Wire with LED)
A 3	Pneumatic - 2 Port with vent (with manifold - common inlet)****
Q 0	None

Switch Quantity	
1	One
2	Two
3	Three*
4	Four*
0	None

* Not available with all switch types and in all products.
Not available in (SL) low profile cover versions.

Conduit Entry or Pneumatic Connections + Drive System	
7	Metric M20 + VDI/VDE Rotary Drive
8	PG 13.5 + VDI/VDE Rotary Drive
9	1/2" NPT + VDI/VDE Rotary Drive
L	Metric M20 + Namur Linear Drive
K	PG 13.5 + Namur Linear Drive
J	1/2" NPT + Namur Linear Drive
O	Metric M20 + Type A Drive Lever
P	PG 13.5 + Type A Drive Lever
N	1/2" NPT + Type A Drive Lever
1	Metric M20 + Type B Drive Lever
2	PG 13.5 + Type B Drive Lever
3	1/2" NPT + Type B Drive Lever
V	Metric M20 + Type C Drive Lever
W	PG 13.5 + Type C Drive Lever
X	1/2" NPT + Type C Drive Lever
Q	Metric M20 + Type D Drive Lever
R	PG 13.5 + Type D Drive Lever
S	1/2" NPT + Type D Drive Lever

Colour + Indication	
O	Black (Safe Areas)
D	Blue (EEx i)
R	Red (Ex d or Ex ed)
S	Stainless Steel (Safe or hazardous)
1	O + "Klearvision" (Safe areas only)
2	D + "Klearvision" (IIA, IIB, IIC)
3	R + "Klearvision" (IIA, IIB, IIB+H2, IIC)
4	S + "Klearvision" (Safe areas only)
6	S + "Klearvision" (IIA, IIB, IIC)

1, 2, 3, 4, 6: "Klearvision" (Standard)
High visibility (from above and all sides)
top mounted indicator for 90° applications. Yellow = Open. Red = Closed.

For a space saving alternative please specify our range of VDI/VDE indicator mounting kits.
Code prefix "MVS".

Enclosure Material + Style*	
B	Aluminium - Style 050 or 070
X	Aluminium - Style 080 Ex d IIB + H2
C	Aluminium - Style 100
D	Aluminium - Style 100 Ex d IIC ATEX ICECx
	Aluminium - Style 100 Ex d IIC INMETRO
J	Aluminium - Style 100 cCSAus approved
H	Aluminium - Style 120
L	Aluminium - Style 120 Ex d IIC ATEX ICECx
	Aluminium - Style 120 Ex d IIC INMETRO
M	Aluminium - Style 120 Ex d IIC cCSAus
E	Stainless Steel - Style 100
F	Stainless Steel - Style 120
R	Stainless Steel - Style 100 Ex d IIC ATEX ICECx
K	Stainless Steel - Style 100 Ex d IIC INMETRO
T	Stainless Steel - Style 100 cCSAus approved
N	Stainless Steel - Style 120 Ex d IIC ATEX ICECx
P	Stainless Steel - Style 120 Ex d IIC INMETRO
W	Stainless Steel - Style 120 Ex d IIC cCSAus
Z	Custom Product** (A unique number is substituted for the rest of the product code e.g. SBZ-00123)

* A drawing showing the various enclosure styles is available on request.
** Please contact K Controls for details.

M25 or 3/4" NPT conduit entries on request.
A second or third conduit entry is available on request.

* Not all these options are available in all product categories.
* Other switches can be engineered into the 007 Switchbox.
As a guide switches should be shielded (embeddable) and not exceed :
Rectangular design : 40mm x 30mm x 12mm.
Cylindrical design : 18 mm diameter x 45 mm in length.
* If the switch is required to operate in an ambient temperature less than -20C or above +40C please contact our sales office to check suitability.
** Important : These switches will only function with remote amplifiers.
P2 can be configured for 2:1 wiring on request.
*** These options are not available in "SL" Low Profile Cover 007 Switchbox - style 050.
**** For pneumatic switches in hazardous areas please contact our sales office.